

# Crocodile Hydrofoil



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**The Croc** a sophisticated warship that could turn into three modes at a time. The three modes are submarines, hydrofoil ships, and ordinary ships generally. During the dive, the speed of the vessel can reach 15 knots. In hydrofoil mode, the speed can reach 35 to 45 knots.



### **Crocodile Hydrofoil Battleship :**

- It is a multi-functional ship.
- Using the hydrofoil system, the ship can travel at speeds of up to 40 knots.
- Adopt the submarine system to avoid the enemy.
- Operating speed when diving 15 knots.



The warship designer, Ir Wisnu Wardhana MSc PhD, said that the current shipbuilding process has reached 90 percent. The ship, which is equipped with two 350 horsepower engines, is quite slim in size, 12 meters long and only 3 meters wide.

According to Wisnu, the ship, which has been designed since 2011, can change into three modes, namely submarines, hydrofoil ships, and ordinary ships in general. "Of course this has succeeded in becoming a new finding in the world of international shipping," claims this Marine Engineering lecturer proudly.





Wisnu explained, a hydrofoil ship itself is a ship that has parts such as wings that are attached to a support under the hull of the ship. When the ship increases its speed, the hydrofoil ship can create a lift that causes the hull to lift up and out of the water. "So the ship looks like it's floating," he added.

Made of aluminum, said Wisnu, the ship has been designed to have a light weight so that it can float, while the wings themselves are made of carbon steel. When used as a submarine, water is introduced into the ship to lower the ship's position. "The depth can reach ten meters," he said.

When diving, continued Wisnu, the speed of this ship can reach 15 knots. While in hydrofoil mode, the speed can reach 35 to 45 knots. Wisnu revealed that this ship is suitable for use as a reconnaissance ship that can be used to catch fish thieves in Indonesian waters.

The reason, said Vishnu, is that the fishing boat thief will not know the arrival of this warship when it is in diving mode, so that the thief will not run away when The Croc arrives. In the manufacturing process, Wisnu also collaborated with the Indonesian National Army – Navy (TNI-AL), the Ministry of Research and Technology (Kemenristek), and several other parties.




It is hoped that The Croc as a domestically made warship can help in maintaining the defense and security of the Unitary State of the Republic of Indonesia (NKRI). Such as smuggling or theft that often occurs in Indonesian waters.